Journal of Luminescence 43 (1989) 387–389
North-Holland, Amsterdam

AUTHOR INDEX

Baldini, G. and G. Vegetti, Low temperature spectroscopy of DNA-intercalator ethidium 43 (1989) 41
Bässler, H., see Elschner, A. 43 (1989) 33
Beneking, C. and G. Heiland, Fluorescence of a merocyanine dye adsorbed on ZnO crystals 43 (1989) 9
Bettinelli, M. and G. Ingletto, Energy transfer between Tb^{3+} and Tm^{3+} in a lead silicate glass 43 (1989) 115
Bisht, P.B., H.B. Tripathi and D.D. Pant, Time-resolved spectroscopy of phenol-triethylamine charge transfer complexes in polar and nonpolar solvents 43 (1989) 301
Blasse, G., see Meijerink, A. 43 (1989) 283
Bölger, B., see V.d. Does de Bye, J.A.W. 43 (1989) 339
Burberry, M.S., see Spoonhower, J.P. 43 (1989) 221
Burshtein, A.I., E.I. Kapinus, I.Yu. Kucherova and V.A. Morozov, Kinetics of long-range electron transfer: Pheophytin a fluorescence quenching by toluquinone in liquid solutions 43 (1989) 291

Castro, J.C., see Padua, S.J.N. 43 (1989) 379
Cavatorta, P., see Tabak, M. 43 (1989) 355
Chen, C.Y., W.A. Sibley, D.C. Yeh and C.A. Hunt, The optical properties of Er^{3+} and Tm^{3+} in $KCaF_3$ crystal 43 (1989) 185
Cockayne, B., see Yamaga, M. 43 (1989) 139
Cockroft, N.J., G.D. Jones and R.W.G. Syme, Upconversion fluorescence spectroscopy of Er^{3+} pairs in $CsCdBr_3$ 43 (1989) 275
Cousseins, J.C., see Mahiou, R. 43 (1989) 51
Craig, B.B. and M.F. Sonnenschein, Room temperature fluorescence from arylmethyl radicals in solution 43 (1989) 227

Dean, K.R. and S.E. Webber, Photon harvesting by surface-bound polymers: Poly(2-vinylnaphthalene-alt-methacrylic acid) sensitization of pyrenebutyric acid on zeolite 43 (1989) 147
Debnath, R., On the excitation of the ^3E luminescent state of Cu^+ ions in glass 43 (1989) 375

Elschner, A. and H. Bässler, Kinetics of growth and thermally induced recovery of spectral holes in a cresylviolet/glycerol glass 43 (1989) 33

Fabian, H. and F. Fischer, Emission spectra of S_2^-, Se_2^-, and SeS^- centres. Results from more alkali halides 43 (1989) 103
Fischer, F., see Fabian, H. 43 (1989) 103
Fournier, M.T., see Mahiou, R. 43 (1989) 51

Gaur, A., see Mohan, D. 43 (1989) 363
Güdel, H.U., see Jacobson, S.M. 43 (1989) 125
Gudgin Templeton, E.F. and A. Pollak, Spectroscopic characterization of 1,10-phenanthroline-2,9-dicarboxylic acid and its complexes with europium (III): Luminescent europium chelates useful for analytical applications in aqueous solution 43 (1989) 195

Heiland, G., see Beneking, C. 43 (1989) 9
Henderson, B., see Yamaga, M. 43 (1989) 139
Hirayama, S., see Kawahigashi, M. 43 (1989) 207
Hocking, M.B., D.M. Preston and J.I. Zink, Triboluminescence of 1,2,5-triphenylphosphole and related compounds 43 (1989) 309
Hornstra, J., see V.d. Does de Bye, J.A.W. 43 (1989) 339
Huang, S., see Wei, C. 43 (1989) 161
Hunt, C.A., see Chen, C.Y. 43 (1989) 185

Imai, K., Excitonic photoluminescence properties of InSe 43 (1989) 121
Ingletto, G., see Bettinelli, M. 43 (1989) 115

Jacobson, S.M. and H.U. Güdel, Higher excited state luminescence in $Ti^{2+}:MgCl_2$. Dynamics of radiative and nonradiative processes 43 (1989) 125
Jacquier, B., see Mahiou, R. 43 (1989) 51
Jayannavar, A.M., see Kaiser, B. 43 (1989) 73
Jia, W., H. Liu, K.S. Lim and W.M. Yen, Piezo-spectroscopic study of Ti^{3+}-doped sapphire fibers 43 (1989) 323
Jones, G.D., see Cockroft, N.J. 43 (1989) 275

Kaczmarek, F., see Karolczak, J. 43 (1989) 1
Kaiser, B., A.M. Jayannavar and P. Reineker, Optical line shapes of dimers under the influence of dichotomic coloured noise 43 (1989) 73
Kapinus, E.I., see Burshtein, A.I. 43 (1989) 291
Karolczak, J., E. Pawłowska, M. Szymański and F. Kaczmarek, Luminescence properties of glassy neodymium–lanthanum pentaphosphates 43 (1989) 1

Kastha, G.S., see Maiti, A.K. 43 (1989) 383

Kawahigashi, M. and S. Hirayama, Microscopic fluorescence decay measurements on thin liquid films and droplets of concentrated dye solutions 43 (1989) 207

Klaassen, D.B.M., R.A.M. van Ham and T.G.M. van Rijn, Energy transfer processes in yttrium oxide activated with europium 43 (1989) 261

Kucherova, I.Yu., see Burshtein, A.I. 43 (1989) 291

Kupka, H., see Ledwig, Th. 43 (1989) 25

Laulicht, I., see Meirman, S. 43 (1989) 329

Ledwig, Th., H. Kupka and H.-H. Perkampus, Lineshapes in phosphorescence spectra of diazaphenanthrenes and protonated analogues. Evidence of the Duschinsky mixing effect 43 (1989) 25

Lengfellner, H., see Retzer, N. 43 (1989) 243

Lewanowicz, A., J. Lipiński, Z. Ruziewicz, A. Szymczak and J. Szynkarczuk, Position-dependent effects of internal heavy atoms on highly resolved electronic spectra and luminescence properties of some quinoxalines substituted at the homocyclic ring 43 (1989) 85

Lim, K.S., see Jia, W. 43 (1989) 323

Lipiński, J., see Lewanowicz, A. 43 (1989) 85

Liu, H., see Jia, W. 43 (1989) 323

LoParo, K.A., see Werner, T.C. 43 (1989) 213

Mahiou, R., J. Metin, M.T. Fournier, J.C. Cousseins and B. Jacquier, Luminescence and energy transfer in a one-dimensional compound: K_2GdF_5 43 (1989) 51

Maiti, A.K. and G.S. Kastha, Substitution effect on the triplet state energy and decay of some disubstituted naphthalenes 43 (1989) 383

Marshall, A., see Yamaga, M. 43 (1989) 139

Mattice, W.L., see Sienicki, K. 43 (1989) 233

Meijerink, A. and G. Blasse, Luminescence properties of Eu^{2+}-activated alkaline earth haloborates 43 (1989) 283

Meirman, S. and I. Laulicht, Extraordinary temperature shifts and site-dependent linewidths of the Eu^{3+} $^5D_0 \rightarrow {}^7F_1$ emission lines of $Eu_{0.36}Tb_{0.64}P_5O_{14}$ 43 (1989) 329

Meltzer, R.S., see Wannemacher, R. 43 (1989) 251

Metin, J., see Mahiou, R. 43 (1989) 51

Mohan, D., A. Gaur, A.K. Sharma and R.D. Singh, Photoquenching in laser grade dyes: Part I 43 (1989) 363

Moharil, S.V., see Sahare, P.D. 43 (1989) 369

Moncorge, R., J. Thery and D. Vivien, Enhancement of fluorescence from octahedrally coordinated Ni^{2+} in $LaMgAl_{11}O_{19}$ materials by Al^{3+}/Ga^{3+} ion substitution 43 (1989) 167

Morawetz, H., Fluorescence studies of polymer dynamics 43 (1989) 59

Morozov, V.A., see Burshtein, A.I. 43 (1989) 291

Nunes, L.A.O., see Padua, S.J.N. 43 (1989) 379

O'Donnell, K.P., see Yamaga, M. 43 (1989) 139

Onipko, A.I. and I.V. Zozulenko, Kinetics of incoherent exciton annihilation in non-ideal one-dimensional structures 43 (1989) 173

Padua, S.J.N., L.A.O. Nunes and J.C. Castro, Absorption and luminescence spectroscopy of $GdAlO_3:Eu^{3+}$ 43 (1989) 379

Pant, D.D., see Bisht, P.B. 43 (1989) 301

Pawłowska, E., see Karolczak, J. 43 (1989) 1

Perkampus, H.-H., see Ledwig, Th. 43 (1989) 25

Pollak, A., see Gudgin Templeton, E.F. 43 (1989) 195

Popma, T.J.A., see V.d. Does de Bye, J.A.W. 43 (1989) 339

Preston, D.M., see Hocking, M.B. 43 (1989) 309

Reineker, P., see Kaiser, B. 43 (1989) 73

Renk, K.F., see Retzer, N. 43 (1989) 243

Retzer, N., H. Lengfellner and K.F. Renk, Resonance trapping of monochromatically generated 29 cm^{-1} phonons in strongly excited ruby crystals 43 (1989) 243

Ruziewicz, Z., see Lewanowicz, A. 43 (1989) 85

Sahare, P.D. and S.V. Moharil, Strange pyroluminescence in $LiNaSo_4$:Eu 43 (1989) 369

Sartor, G., see Tabak, M. 43 (1989) 355

Sharma, A.K., see Mohan, D. 43 (1989) 363

Sibley, W.A., see Chen, C.Y. 43 (1989) 185

Sienicki, K. and W.L. Mattice, Monomer–excimer–acceptor kinetics in the presence of diffusion and excimer dissociation 43 (1989) 233

Singh, R.D., see Mohan, D. 43 (1989) 363

Sonnenschein, M.F., see Craig, B.B. 43 (1989) 227

Spoonhower, J.P. and M.S. Burberry, Time-resolved spectroscopy of $BaFBr:Eu^{2+}$ 43 (1989) 221

Syme, R.W.G., see Cockroft, N.J. 43 (1989) 275

Szymański, M., see Karolczak, J. 43 (1989) 1

Szymczak, A., see Lewanowicz, A. 43 (1989) 85

Szynkarczuk, J., see Lewanowicz, A. 43 (1989) 85

Tabak, M., G. Sartor and P. Cavatorta, On the interactions of metal ions with tryptophan and glyciltryptophan: a fluorescence study 43 (1989) 355

Thery, J., see Moncorge, R. 43 (1989) 167

Tripathi, H.B., see Bisht, P.B. 43 (1989) 301

V.d. Does de Bye, J.A.W., J. Hornstra, B. Bölger, T.J.A. Popma and R.A.M. van Ham, Luminescence of $Y_{2(1-x)}Eu_{2x}WO_6$ 43 (1989) 339

Van Ham, R.A.M., see Klaassen, D.B.M. 43 (1989) 261

Van Ham, R.A.M., see V.d. Does de Bye, J.A.W. 43 (1989) 339
Van Rijn, T.G.M., see Klaassen, D.B.M. 43 (1989) 261
Vegetti, G., see Baldini, G. 43 (1989) 41
Vivien, D., see Moncorge, R. 43 (1989) 167

Wannemacher, R. and R.S. Meltzer, High-resolution spectroscopy of the $^4T_2$ state of Cr^{3+} in $LiCaAlF_6$ 43 (1989) 251
Webber, S.E., see Dean, K.R. 43 (1989) 147
Wei, C., S. Huang and J. Yu, Two-photon hole burning and fluorescence-line-narrowing studies on $BaFCl_{0.5}Br_{0.5}:Sm^{2+}$ at 77 K 43 (1989) 161
Werner, T.C. and K.A. LoParo, Studies on the fluorescence properties of acetyl-naphthalenes in water 43 (1989) 213

Yamaga, M., B. Henderson, A. Marshall, K.P. O'Donnell and B. Cockayne, Polarization spectroscopy of Cr^{3+} ions in laser host crystals: I. R lines and sidebands 43 (1989) 139
Yeh, D.C., see Chen, C.Y. 43 (1989) 185
Yen, W.M., see Jia, W. 43 (1989) 323
Yu, J., see Wei, C. 43 (1989) 161

Zink, J.I., see Hocking, M.B. 43 (1989) 309
Zozulenko, I.V., see Onipko, A.I. 43 (1989) 173

Journal of Luminescence 43 (1989) 391
North-Holland, Amsterdam

SUBJECT INDEX

Adsorbed dye 9
Analytical applications 195

Cathodoluminescence 275
Charge transfer complexes 301
Chelates 195
Concentration quenching 207, 363

Diatomic impurities 103
Dimers 73
DNA-intercalation 41
Duschinsky mixing 25
Dye films 207

Electron transfer kinetics 291
Energy transfer 59, 115, 261, 283, 339
Energy transfer, one-dimensional 51
Excimer 59, 147
Excimer dissociation 233
Excimer kinetics 233
Excited state spectroscopy 125
Exciton kinetics, one-dimensional 173
Excitons, two-dimensional 121

Fluorescence anisotropy 59
Fluorescence line narrowing 161, 251, 329

Heavy atom effect 85
Hole burning, two-photon 161
Hole burning kinetics 33

INDO calculations 85
Isomer contamination 213

Jahn–Teller effect 323
Judd–Ofelt theory 339

Laser dyes 363
Laser glass 1
Line shape theory 73
Lineshapes 25
Linewidths 329
Local modes 103

Magnetic dipole–dipole interaction 251
Metal–protein binding 355
Microscopic measurements 207
Molecular association 9

Non-radiative decay 125

Optical gain 363

Pairs 251, 275
Phonon diffusion 243
Phonon trapping 243
Photoconductivity 9
Photon harvesting 147
Piezo-spectroscopy 323
Polarization spectroscopy 139
Polymer dynamics 59
Polymers, surface-bound 147
Pyroluminescence 369

Thermal recovery 33
Triboluminescence 309
Triplet 25, 383
Triplet state 375

Upconversion 275

Journal of Luminescence 43 (1989) 393
North-Holland, Amsterdam

MATERIALS INDEX

Acetylnaphthalenes 213
Alkaline earth haloborates 283
Anthracene 59
Arylmethyl radical 227

BaFBr 221
$BaFCl_{0.5}Br_{0.5}:Sm^{2+}$ 161
Benzylacetamide 59

$Ca(PO_3)_2$ glass 375
Coumarin-495 363
Cr^{3+} 139, 243, 251
Cresylviolet 33
$CsCdBr_3$ 275
Cu^{+} 375
Cu^{2+} 355

Er^{3+} 185, 275
Ethanol glass 383
Ethidium 41
Eu^{2+} 221, 283
Eu^{3+} 51, 195, 261, 329, 369, 379
$Eu_{0.36}Tb_{0.64}P_5O_{14}$ 329

$GdAlO_3$ 379
GdSc garnets 139
Glass 33
Glass, organic 25
Glycerol 33
Glyciltryptophan 355

InSe 121

$KCaF_3$ 185
K_2GdF_5 51

$LaMg(Al, Ga)_{11}O_{19}$ 167
Lanthanum 1
Lead silicate glass 115
LiC_4AlF_6 251
$LiNaSo_4$ 369

Merocyanine 9
MgO 139

Napthalenes, disubstituted 383
Neodymium 1
Ni^{2+} 167, 355

Pentaphosphates 1
Phenanthroline-2, 9-dicarboxylic acid 195
Phenol-triethylamine 301
Pheophytin 291
Poly(2-vinylnaphthalene-alt-methacrylic acid) 147
Pyrene 59
Pyrenebutyric acid 147

Quinoxalines, substituted 85

Rhodamine-B 207, 363
Ruby 243

S_2^{-} 103
Sapphire 323
Se_2^{-} 103
SeS^{-} 103

Tb^{3+} 115
Ti^{3+} 323
$Ti^{2+}:MgCl_2$ 125
Tm^{3+} 115, 185
Toluquinone 291
Triphenylphoshole 309
Tryptophan 355

$Y_{2(1-x)}Eu_{2x}WO_6$ 339
Yttrium oxide 261

Zeolite 147
ZnO 9